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DEPARTMENT OF COMMERCE, LABOR & ENVIRONMENTAL RESOURCES

DIVISION OF ENVIRONMENTAL PROTECTION

OFFICE OF AIR QUALITY

1558 Washington Street, East
Charleston, WV 25311-2599

Gaston Caperton
Governor

David C. Callaghan
Director

Laidley Eli McCoy
Deputy Director

PERMIT TO CONSTRUCT, MODIFY, OR RELOCATE
STATIONARY SOURCES OF AIR POLLUTANTS

PERMIT NO.: R13-1767

DATE: October 17, 1994

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW
(W. Va. Code §§22-5-1 et seq.), AND REGULATIONS PROMULGATED THEREUNDER, THE
FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT THE SUBJECT FACILITY IN
ACCORDANCE WITH THIS PERMIT.

Name of Permittee: INCO Alloys International, Inc.

Name of Facility: Huntington

Mailing Address: P.O. Box 1958

Huntington, WV 25720

Nearest City
or Town: Huntington

County: Cabell

Directions to
Exact Location: Located off U.S. Route 60, at 3200 Riverside Drive,

Huntington, West Virginia

Type of Facility
or Modification: Construction of a plate anneal furnace fired with natural gas
via sixteen North American #4442-7 Tempest ultra low NOx burners
each rated at 1.625 million BTU/hr, for a total heat input of 26.0
million Btu/hr.

SPECIFIC REQUIREMENTS

(A) IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS THIS PERMIT IS LIMITED AS FOLLOWS:

(1) The plate anneal furnace as operated shall fire only natural gas and shall not be operated in a manner to exceed a maximum design heat input of 26.0×10^6 Btu/hr.

(2) Emissions to the atmosphere from the roof vent (PM-23P) of the furnace shall not exceed the following utilizing natural gas:

	<u>lbm/hr</u>
Particulates	0.075
Sulfur Dioxide	0.015
Nitrogen Oxide	2.5
Carbon Monoxide	0.875
Total Hydrocarbons	0.07

(3) The plate anneal furnace shall consume no more than 25,000 ft³/hr of natural gas.

(4) The plate anneal furnace shall not process more than 12,000 lb/hr of alloy plate.

(B) OTHER REQUIREMENTS

(1) The permitted facility shall comply with all applicable requirements of 45CSR7 and any more stringent requirements under Paragraph A of this permit. The principal provision of 45CSR7 applicable to the proposed facility is the following:

Visible emissions of smoke and/or particulate matter shall not be darker than twenty percent opacity except that emissions less than forty percent opacity are allowable for any period(s) aggregating no more than five minutes in any sixty minute period from the furnace venting to the roof vent (ID No. PM-23P).

(2) For purposes of tracking compliance with Specific Requirements A(2) and A(3) of this permit, monthly reports shall be filed per Appendix A to this permit. These reports shall be filed within fifteen (15) days following the end of each month. Such records shall be certified by the permittee or responsible official of the company to be true and accurate.

(3) Tests to determine compliance with the NO_x emission limitations set forth in Specific Requirement A(2) of this permit shall be conducted in accordance with the methods set forth in 40

CFR 60, Appendix A, as approved by the Chief. The Chief may require an alternative test method or approve an alternative test method in the future.

(4) The permitted facility shall within 180 days of start-up conduct stack emissions testing using Title 40, Part 60, Appendix A, Method 7 of the Code of Federal Regulations.

GENERAL REQUIREMENTS

(1) In accordance with 45 CSR 22 - "Air Quality Management Fee Program", the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first obtaining and having in current effect a Certificate to Operate. Such Certificate to Operate shall be renewed annually, shall be maintained on the premises for which the Certificate has been issued, and shall be made immediately available for inspection by the Chief or his duly authorized representative.

(2) Possession of this permit does not relieve any person of the responsibility of complying with any and all applicable rules or regulations of the Commission or any other governmental agency.

(3) The permitted facility must be constructed and operated in accordance with information filed in Permit Application No. 1767. The Chief may cancel or suspend a permit if the plans and specifications upon which the approval was based are not adhered to.

(4) At such reasonable time(s) as the Chief may designate, the permittee shall conduct or have conducted tests to determine compliance with the emission limitations established in the permit application and/or applicable WVAPCC regulations. Tests shall be conducted in such a manner as the Chief may specify or approve and must be filed in a manner acceptable to the Chief. The Chief, or his duly authorized representative, may at his option witness or conduct such test. Should the Chief exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Chief may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with general accepted good safety practices. For any tests to be conducted by the permittee, a test protocol must be submitted to the WVOAQ by the permittee at least thirty (30) days prior to the test and must be approved by the Chief. The Chief must be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.

ISSUED BY: _____

G. DALE FARLEY
CHIEF

DATE: _____

APPENDIX A

INCO Alloys International, Inc. - R13-1767

Month _____ Year _____

MONTHLY NATURAL GAS REPORT

Month	Natural Gas (10 ⁶ ft ³)		NO _x Emissions (tons) ¹	
	Current Month	Year-To-Date ²	Current Month	Year-To-Date ³
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

$$NO_x \text{ Emissions} = \text{natural gas (10}^6 \text{ ft}^3) \times \frac{\text{lbs NO}_x}{10^6 \text{ ft}^3 \text{ natural gas}}$$

¹

Lbs NO_x as determined by stack testing of the permitted furnace

²

Natural gas usage shall not exceed 25,000 ft³/hr

³

Total year-to-date NO_x emissions must not exceed 10.95 tons